

What is claimed is:

1. A process for treating a primate to induce tolerance to at least one antigen comprising:

administering to the primate at least one anti-CD4 antibody or CD4 binding fragment thereof and at least one compound that inhibits CD8+ T cells each in an amount and for a time effective to induce tolerance against at least one antigen, said anti-CD4 antibody or fragment being present in said primate when said antigen is present in said primate and said anti-CD4 antibody being administered in an initial dose of at least 40 mg/kg, such that tolerance against said antigen is induced.

2. The process of claim 1 wherein the antigen is a foreign antigen.

3. A process for inducing tolerance in a primate to a transplanted antigen, comprising:

administering to a primate at least one anti-CD4 antibody or CD4 binding fragment thereof and at least one compound that inhibits CD8+ T cells each in an amount and for a time effective to induce tolerance against the transplant, said anti-CD4 antibody or fragment being present in said primate when said transplanted antigen is present in said primate and said anti-CD4 antibody being administered in an initial dose of at least 40 mg/kg, such that tolerance to the transplanted antigen is induced.